

Application No. 10/774,641
Amendment dated May 23, 2006
After Final Office Action of February 23, 2006

Docket No.: 2694-0140P

AMENDMENTS TO THE CLAIMS

1-8. (Cancelled)

9. (Currently Amended) A method for control of a rotary tablet forming machine during start-up of the machine, the machine having a rotor rotated by a drive unit, the rotor including at least one matrix with allocated upper punches and lower punches, the method comprising the steps of:

determining a pressing force (PK_{actual}) applied to a press mass filled in the at least one matrix by the upper and lower punches;

comparing the pressing force (PK_{actual}) with a pre-specified limit value (PK_{limit});

reducing speed of the rotor below a rated speed ($n_{\text{r-rated}}$) to a new, non-zero speed when the pressing force is below the pre-specified limit value to thereby avoid damaging the machine.

10. (Previously Presented) The method according to claim 9, wherein the step of determining a pressing force (PK_{actual}) comprising the step of measuring the actual pressing force.

11. (Previously Presented) The method according to claim 9, further comprising the step of setting a difference between the limit value (PK_{limit}) and a required pressing force (PK_{required}).

12. (Previously Presented) The method according to claim 11, wherein the difference amounts to between 1% and 50%.

Application No. 10/774,641
Amendment dated May 23, 2006
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Docket No.: 2694-0140P

13. (Previously Presented) The method according to claim 11, wherein the difference amounts to between 5% and 20%.

14. (Previously Presented) The method according to claim 11, wherein the difference amounts to between 8% and 12%.

15. (Previously Presented) The method according to claim 9, further comprising the step of comparing a required speed (n_r) of the rotor with an actual speed of the rotor and then regulating the rotor to the required speed (n_r).

16. (Previously Presented) The method according to claim 9, further comprising the step of speed controlling the rotor from a standstill position.

17. (Previously Presented) The method according to claim 9, further comprising the step of speed controlling the rotor from a rated speed of the rotor.

18. (Currently Amended) A device for control of a rotary tablet forming machine during start-up of the machine, the rotary tablet forming machine having a rotor, at least one matrix with allocated upper punches and lower punches and the device comprising a control unit for a drive unit of the rotor, a facility for determining a pressing force (PK) of at least one of the upper and lower punches acting on a press mass in the at least one matrix and means for comparing

Application No. 10/774,641
Amendment dated May 23, 2006
After Final Office Action of February 23, 2006

Docket No.: 2694-0140P

determined pressing force (PK_{actual}) with a pre-specified pressing force (PK_{limit}) and at least one means for pre-specifying a required non-zero speed (n_r) of the rotor in dependence on the comparison of the determined pressing force (PK_{actual}) with the pre-specified pressing force (PK_{limit}) to thereby avoid damaging of the rotary table forming machine.